

RSM RKM 126-3.1M

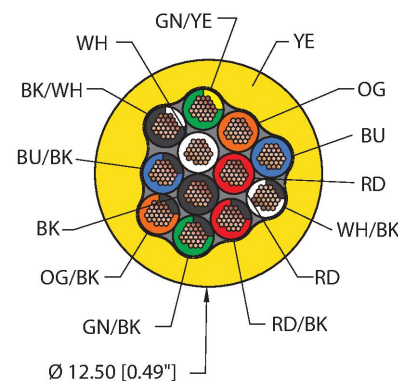
Actuator and Sensor Cable – Extension Cable



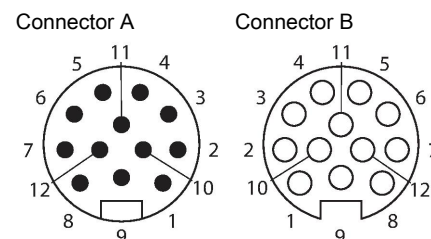
Features

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- 1-1/8" Male, Straight, 12-pin
- 1-1/8" Female, Straight, 12-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, 12X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

Cable cross section



Contact assignment



Technische Daten

Type	RSM RKM 126-3.1M
ID	U-45328
Connector A	Male, 1 1/8"-16 UN, Straight
Number of contacts	12
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	3 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Connector B	Female, 1 1/8"-16 UN, Straight
Number of contacts	12
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF51035
Total number of conductors	12

Technische Daten

Cable diameter	Ø 12.5 mm
Length (L)	3.1 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Yellow
Conductor diameter	0.088 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	12 x 16 AWG [Similar to 1.50 mm²]
Number of strands x O.D.	19 x 0.0117 "
Conductor colors	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN/YE, RD, WH, BK

Electrical properties at +20 °C

Rated voltage	600 V
Current	7 A

Mechanical and chemical properties

Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °C

Approval

Approvals	UL 2238 CE RoHS
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Note

- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.

Circuit Diagram

1	OG	1
2	BU	2
3	WH/BK	3
4	RD/BK	4
5	GN/BK	5
6	OG/BK	6
7	BU/BK	7
8	BK/WH	8
9	GN/YE	9
10	RD	10
11	WH	11
12	BK	12